

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

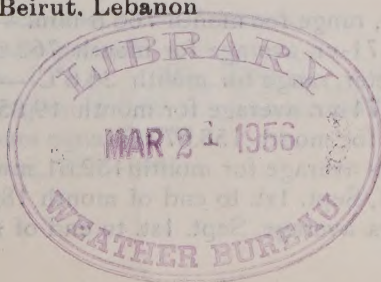
NOVEMBER 1955

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

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NOVEMBER 1955

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrass Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.7	61.1	62.2	61.7	24.2	19.2	21.3	23.7	21.0	22.0
2	63.7	63.1	63.9	63.6	24.2	19.4	21.8	23.4	20.8	22.0
3	63.8	62.3	62.2	62.8	24.6	20.4	21.7	23.9	22.2	22.6
4	61.5	59.4	59.9	60.3	25.0	20.5	21.7	24.3	23.5	23.2
5	59.4	58.6	59.6	59.2	26.5	21.2	23.4	25.6	22.7	23.9
6	59.8	58.4	58.9	59.0	25.1	18.7	23.1	23.8	20.1	22.3
7	58.5	57.3	57.6	57.8	23.3	18.2	22.0	20.4	18.5	20.3
8	56.6	55.9	56.5	56.3	24.5	17.6	21.2	22.2	19.7	21.1
9	56.1	56.0	57.5	56.5	24.5	17.4	19.4	22.5	20.4	20.8
10	60.1	59.4	60.5	60.0	22.8	15.2	19.7	22.1	19.3	20.4
11	61.5	61.2	62.2	61.6	20.1	15.4	17.8	18.3	16.1	17.4
12	62.9	62.6	63.3	62.9	20.3	14.5	16.6	19.9	17.4	18.0
13	62.4	61.6	62.1	62.0	20.9	16.2	18.0	20.4	17.9	18.8
14	62.5	61.9	63.0	62.3	20.8	16.7	17.8	20.4	18.2	18.8
15	64.2	63.3	64.0	63.8	21.9	19.4	18.7	21.7	20.8	20.4
16	65.6	63.7	64.2	64.5	23.8	20.3	21.4	22.9	22.2	22.2
17	64.1	62.5	62.8	63.1	23.6	19.1	21.1	22.8	20.8	21.6
18	63.0	62.0	63.1	62.7	23.2	18.0	21.3	22.7	20.8	21.6
19	64.1	63.6	63.8	63.8	22.4	18.1	19.8	21.7	19.4	20.3
20	63.5	61.9	62.7	62.7	22.1	16.3	19.7	21.1	18.7	19.8
21	63.3	62.5	62.8	62.9	22.0	15.7	18.9	21.1	17.3	19.1
22	60.9	58.0	58.5	59.1	20.2	14.6	19.1	17.5	20.0	18.9
23	56.7	55.2	58.0	56.6	20.0	11.9	16.2	17.6	12.4	15.4
24	60.8	61.1	63.0	61.6	16.7	13.7	14.1	16.1	15.1	15.1
25	64.2	62.5	63.4	63.4	20.8	17.5	16.7	20.4	18.2	18.4
26	63.7	62.4	62.3	62.8	23.5	19.8	19.4	22.9	20.5	20.9
27	61.0	59.9	60.7	60.5	26.6	18.1	22.0	22.2	20.4	21.5
28	61.6	60.5	60.8	61.0	20.5	12.4	18.9	19.1	17.4	18.5
29	60.1	60.5	63.0	61.2	17.4	12.3	13.9	14.7	14.4	14.3
30	65.4	65.6	66.8	65.9	17.4	13.6	13.3	15.1	14.9	14.4
31										
	61.76	60.80	61.64	61.39	22.30	17.05	19.33	21.02	19.04	19.80

Barometer, range for month 766.8 mm. — 755.2 mm.

„ 71-yr. average for month 762.63 mm.

Thermometer, range for month 26.6°C — 11.9°C

„ 71-yr. average for month 19.85°C

Rain total for month 153.67 mm.

„ 71-yrs average for month 132.61 mm.

„ Total, Sept. 1st. to end of month 180.08 mm.

„ 71-yrs. average. Sept. 1st. to end of month 188.82 mm.

NOVEMBER 1955

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun. Hrs.	Wind per day Kms.	Rain m.m.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean			
1	16.5	19.7	18.3	18.2	67	65	73	68	7.9	167.0	1.02
2	17.2	18.9	18.1	18.1	68	67	74	70	9.8	219.0	
3	17.8	12.2	21.0	20.3	68	74	78	73	9.2	319.0	
4	19.6	21.1	22.0	20.9	76	69	77	74	6.5	317.0	
5	17.7	12.0	20.5	16.7	63	59	74	65	7.9	198.0	
6	21.8	22.8	14.7	19.8	80	77	64	74	3.3	396.0	8.13
7	20.4	20.5	18.2	19.7	77	86	86	83	2.7	327.0	2.54
8	17.1	18.6	16.8	17.5	68	71	74	71	7.5	291.0	0.51
9	17.3	18.6	18.1	18.0	77	70	75	74	8.1	256.0	1.27
10	17.3	18.0	14.6	16.6	77	68	64	70	3.7	315.0	1.02
11	18.1	16.5	16.7	17.1	89	78	92	86	2.6	307.0	25.14
12	17.3	14.1	13.7	15.0	92	60	71	74	7.4	415.0	10.16
13	12.8	13.7	13.3	13.3	64	57	65	62	5.4	249.0	2.29
14	12.3	13.7	12.8	12.9	62	57	62	60	6.0	206.0	0.51
15	10.9	11.7	13.7	12.1	49	45	56	50	9.8	348.0	
16	10.2	14.6	12.9	12.6	38	53	48	46	9.6	468.0	
17	11.6	15.8	12.6	13.3	47	56	53	52	9.5	98.0	
18	11.6	16.4	15.9	14.6	47	59	65	57	9.3	105.0	
19	12.5	14.4	13.5	13.5	54	56	59	56	9.2	196.0	
20	16.8	15.4	14.5	15.6	74	61	66	67	8.8	282.0	0.25
21	12.9	15.4	15.3	14.5	59	62	79	67	5.8	457.0	5.84
22	16.7	15.3	16.9	16.3	76	78	72	75	0.1	877.0	39.88
23	14.1	11.3	11.0	12.1	78	55	79	71	3.2	988.0	26.92
24	10.5	11.6	12.0	11.4	69	62	72	68	2.5	336.0	1.27
25	12.1	12.0	10.3	11.5	64	51	48	54	2.6	380.0	
26	11.4	13.5	10.0	11.6	50	49	41	47	7.6	496.0	
27	10.8	14.5	19.3	14.9	40	54	80	58	3.5	356.0	
28	14.5	13.9	13.7	14.0	66	64	72	67	0.0	246.0	
29	13.9	14.4	12.5	13.6	87	88	77	84	1.7	439.0	18.03
30	12.9	14.0	11.5	12.8	85	82	67	78	1.9	417.0	8.89
31											
	14.89	15.82	15.15	15.28	67.0	64.4	68.8	66.7	5.77	349.03	5.12

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.

Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T

71 year averages are for period, 1875-1945

NOVEMBER 1955

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10st	1cu	0	3.7	1sw	1nw	1e	light	
2	1cu	0	0	0.3	1e	1n	1e	"	
3	0	6cu-st	4ci	3.3	1e	2n	1ne	"	
4	10ci	10ci	0	6.7	1e	1ne	1ne	"	
5	10ci	6ci-st	10ci	8.7	1sw	1sw	1e	"	
6	8cu-ci	10cu-st	0	6.0	0	1nw	1sw	light	D. a.m
7	10cu-st	10st	10st	10.0	1w	1n	1se	"	
8	9ci-st	9cu-ci	10st	9.3	1sw	1sw	1sw	"	
9	7cu-ci	9ci-st	8st	8.0	1e	1nw	1s	"	
10	10st-cu	10st	0	6.7	1sw	1w	1se	"	
11	10st-ci	9st-ci	9st	9.3	1sw	1s	1s	light	
12	10st	5ci-cu	0	5.0	1ne	2ne	1e	"	
13	10cu-st	7cu-ci	6st	7.7	1e	1sw	1se	"	D. p.m.
14	10st-cu	1cu	0	3.7	1sw	1nw	1se	"	D.p.m
15	0	0	0	0.0	1se	1ne	1e	"	D. a.m. p.m.
16	10ci	6ci	0	5.3	1se	2ne	1ne	light	D. a.m
17	1ci	4ci	0	1.7	1e	1ne	1e	"	
18	0	0	0	0.0	1s	1n	1e	"	D. p.m
19	0	0	0	0.0	1e	1n	1se	"	D. a.m
20	9ci-st	1cu	2cu	4.0	1se	1w	1s	"	
21	2cu	10ci-cu	9ci-st	7.0	1s	1sw	1sw	light	D. a.m
22	9ci-cu	10cu-st	9cu-st	9.3	1sw	2sw	3sw	moderate	
23	8st-ci	10st	10st	9.3	1w	5w	2w	rough	W. p.m
24	10st	10st	10st	10.0	2sw	1sw	1s	moderate	
25	10st	5cu-st	10ci-st	8.3	1sw	1sw	1s	light	Tr.a.m
26	8ci	10ci	2ci-st	6.7	1s	2sw	1s	slight	
27	10cu-ci	10st	10st	10.0	1s	1sw	1w	"	
28	10st	10st	10st	10.0	1n	1w	1ne	"	Tr.a.m
29	9st-ci	10st	10cu-st	9.7	1sw	1sw	1s	"	
30	10cu-st	10st	10cu-st	10.0	1se	1ne	1se	"	
31	mean			6.32					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	1	7	4	4	10	2	0	1	30
14:30	5	6	0	0	1	10	4	4	0	30
20:30	0	4	7	6	7	4	2	0	0	30
Total	6	11	14	10	12	24	8	4	1	90

Number of days with rain 17, fog 0, thunderstorms 0, gale. 0

71 yr. av. number of days with rain during month 9.4